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ABSTRACT OF THE DISCLOSURE

An emission control catalyst assembly (10) for an engine includes a container (12) housing a catalyst substrate (34) that substantially fills an enlarged diameter section (18) of the container. The catalyst substrate has end faces (36 and 38) that axially intrude into interiors (40 and 42) of tapered sections (20 and 22) of container (12) to allow a more efficient shorter container that houses more catalyst material.